ABSTRACT

- In an optical recording medium comprising a grooved light-transparent substrate, a phase change recording layer, a dielectric layer and a reflective layer, recording is carried out by irradiating a laser beam to the recording layer through an objective lens in an optical system. The recording is carried out in the grooves under the
- 10 conditions: $0.48 \le P_T/(\lambda/NA) \le 0.74$, and $P_T \le 0.50$ µm wherein λ is a laser beam wavelength, NA is an objective lens numerical aperture, and P_T is a track pitch, thereby forming a recorded mark having opposite ends extending out of the groove. This enables high density recording and 15 increases the data transfer rate of a phase change optical
 - increases the data transfer rate of a phase change optical recording medium.